

# PATENT SPECIFICATION



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## PROVISIONAL SPECIFICATION.

### Improvements in and relating to Wire Trellis for Training Peas and other Plants.

I, WILLIAM ARTHUR RUSSELL, of 21, Highburgh Drive, Rutherglen, near Glasgow, a British subject, do hereby declare the nature of this invention to be as follows:—

This invention has reference to wire trellis for training peas, both culinary and sweet peas, and other plants, and commonly known as pea trainers and has for its object to simplify the manufacture thereof.

In the manufacture of pea trainers it is customary to twist the wires at each crossing.

According to my invention in the manufacture of pea trainers the wires are twisted only at each second or third crossing in each row of crossings or at every second or third row of crossings.

In carrying my invention into effect under one arrangement a mesh of diamond pattern is formed and the wire

twisted at each alternate row of crossings. Or alternatively every second crossing in each row is twisted.

The frame on which the trellis is formed conveniently comprises two or more uprights inter-connected by transverse stays preferably three in number, and between which the wires extend to form the diamond pattern.

The outer frame may be formed in one piece or in a number of pieces and of a thickness to give the desired rigidity. Said frame may be provided with, or without, eyes at corners or provided with additional eyes if required.

By my improvements the cost of manufacture of the pea trainer is reduced.

Dated this 22nd day of November, 1922.

W. R. M. THOMSON & Co.,  
Chartered Patent Agents,  
96, Buchanan Street, Glasgow,  
Agents for the Applicant.

## COMPLETE SPECIFICATION.

### Improvements in and relating to Wire Trellis for Training Peas and other Plants.

I, WILLIAM ARTHUR RUSSELL, of 21, Highburgh Drive, Rutherglen, near Glasgow, a British subject, do hereby declare the nature of this invention and in what manner the same is to be performed, to be particularly described and ascertained in and by the following statement:—

This invention has reference to wire trellis for training peas, both culinary and sweet peas, and other plants, and commonly known as pea trainers and has

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for its object to simplify the manufacture thereof.

In the manufacture of pea trainers it is customary to twist the wires at each crossing.

Wire trellis or pea trainers, according to my invention comprise a frame work and wires stretching straightly across the same to form a diamond pattern said wires being twisted the one round the other only at each second or third row of crossings or at each second or third crossing of each row.

Price 4s 6d

In the accompanying sheet of drawings Figures 1 and 2 illustrate two forms of wire trellis or pea trainers in accordance with my invention.

5 Similar reference letters in both figures denote the same or corresponding parts.

The trellis is formed on a frame comprising two uprights *a* interconnected by three transverse stays *b* and between 10 which the wires *c* extend straightly across to form a diamond pattern.

As shown in Figure 1 the wires *c* at every alternate row of crossings *d* are twisted the one round the other, while at 15 the other crossings *e* the one wire simply passes below the other:

As shown in Figure 2 the wires at each second crossing *f* in each row are twisted the one round the other.

20 The frame may be varied as found desirable. That is, there may be more than two uprights and two or other number of transverse stays.

Further the outer frame may be formed 25 in one piece or, as illustrated, of a number of pieces and of a thickness to give the desired rigidity and may be provided

with or without eyes *g* at corners or provided with additional eyes if required.

According to a modification the wires *c* 30 may be twisted only at each third row of crossings or at each third crossing of each row.

Having now particularly described and ascertained the nature of my said invention 35 and in what manner the same is to be performed, I declare that what I claim is:—

Wire trellis or pea trainers comprising a frame work and wires stretching 40 straightly across the same to form a diamond pattern said wires being twisted the one round the other only at each second or third row of crossings or at each second or third crossing of each row substantially as described with reference to 45 Figure 1 or Figure 2.

Dated this 22nd day of August, 1923.

W. R. M. THOMSON & Co.,  
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96, Buchanan Street, Glasgow,  
Agents for the Applicant.

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[This Drawing is a reproduction of the Original on a reduced scale]

